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(54) NEW PIPERAZINE DERIVATIVE

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(57) Abstract:

PURPOSE: To obtain a new piperazine derivative and its pharmaceutically permissible acid addition salt useful as a therapeutic or treating agent for ischemic cardiopathy.

CONSTITUTION: The objective piperazine derivative of formula I [R_1 to R_5 are H, halogen, alkyl, alkenyl, cycloalkyl, alkoxy, alkenyloxy, cyano, nitro, acyl or ester or two adjacent groups in R_1 to R_5 together, along with the benzene ring, form a condensed ring; W is O or NR_6 (R_6 is H, alkyl, alkenyl, acyl or sulfonyl); A is alkylene, alkenylene or alkynylene; B is alkylene or alkenylene] and its acid addition salt, e.g. 4-[4-(N-4-chlorophenylamino)butyl]-1-(6-nitroxyhexyl)piperazine. For example, the compound of formula I (W is O) is produced by providing a compound of formula IV from a compound of formula II and a compound of formula III (X is halogen) and then passing the resultant compound through compounds of formulas V and VI.

